

**Appendix G**

**Water System Survey**



**Table G-1. Jemez y Sangre Water System Survey of Projects**  
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Water System	Acequia del Cano (PVID)	Cañoncito at Apache Canyon	City of Espanola	City of Santa Fe	Eldorado Area Water and Sanitation District	El Vadito de los Cerrillos Mutual Domestic	Hyde Park Water Association <sup>a</sup>	Las Campanas <sup>b</sup>	La Vista Homeowners' Association	Los Alamos County	Lower Cerro Gordo Ditch Association	Madrid Water Co-operative	Penitentiary of New Mexico	Rancho de Galisteo	Santa Fe County Water Utility	State Land Office <sup>c</sup>	Sunlit Hills of Santa Fe	Sunrise Springs Resort	Cuatro Villas Mutual Domestic Water Users Association
<i>Category I Protect Existing Supplies</i>																			
Forest Restoration				C			C												
Storm Water Management				C		C				P	M					C			M
Cloud Seeding																			
Well Field Management						P			M			C							M
Conjunctive Use of Surface Water and Groundwater				P	P	C									C				P
Expand Treatment Facilities		P		P		P									P				M
Desalination Project					M														M
Restrict Drilling of Domestic Wells				C		C	M		C			C							M
Other												WHP							
<i>Category II Improve System Efficiency</i>																			
Waste-Water Reuse		M		C	M		C	C		C			M	M	M	M		M	M
Replace Septic Tanks						M									M				M
Line Irrigation Ditches	C										P								C
Develop Regional Water System Authority						P													C
Aquifer Storage and Recovery with Waste-Water															M				M
Aquifer Storage and Recovery with Surface Water															M				M
Optimize Reservoir Management						C													C
<i>Category III Drought</i>																			
Water Banking															M				P

<sup>a</sup> Connected to City of Santa Fe System

<sup>b</sup> Propose direct diversion from Rio Grande

<sup>c</sup> Santa Fe River restoration and San Cristobal village projects

C = Current project

P = Proposed project

M = May consider in the future

WHP = Wellhead protection





**Table G-1. Jemez y Sangre Water System Survey of Projects**  
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Water System	Acequia del Cano (PVID)	Cañoncito at Apache Canyon	City of Espanola	City of Santa Fe	Eldorado Area Water and Sanitation District	El Vadio de los Cerrillos Mutual Domestic	Hyde Park Water Association <sup>a</sup>	Las Campanas <sup>b</sup>	La Vista Homeowners' Association	Los Alamos County	Lower Cerro Gordo Ditch Association	Madrid Water Co-operative	Penitentiary of New Mexico	Rancho de Galisteo	Santa Fe County Water Utility	State Land Office <sup>c</sup>	Sunlit Hills of Santa Fe	Sunrise Springs Resort	Cuatro Villas Mutual Domestic Water Users Association
Emergency Conservation				C		C	C		C						C				P
<i>Category IV Reduce Demand</i>																			
Manage Growth and Land Use			C	C	P	C						C		C	C				P
Water Conservation of Outdoor Use				C	P	C	C			M		C		C	C		P	C	P
Water Conservation of Indoor Use for New Construction				C		C	C					C			C		P	C	P
Water Conservation for Indoor Use Through Retrofits				C		C	C					C					P	C	P
<i>Category V Increase Water Supply</i>																			
Utilize San Juan-Chama Water			P	C	P		C			M					C	M			P
Purchase Water Rights <i>without</i> transferring across Otowi				C				C/P							P	M	M		M
Purchase Water Rights <i>with</i> transferring across Otowi				M											P	M	M		M
Drill Additional Domestic Wells															C				M
Drill Additional Municipal Wells		C		C	P	P						P			M		P		P
Reappropriate water above Otowi Gage up to 1929 Condition															P				M
Appropriate Flood Flows during Spill years															M				M
Build New Reservoirs																			

<sup>a</sup> Connected to City of Santa Fe System

<sup>b</sup> Propose direct diversion from Rio Grande

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Jemez y Sangre Water Planning Council  
Survey of Water Systems  
August 2002

1. Name of Water System

(Acequia, Mutual Domestic, Municipality) \_\_\_\_\_

2. Actions under **Category I: Protect Existing Supplies** (Please check all boxes that apply and describe in space provided (or attach longer description))

Current	Proposed	May consider in the future	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Forest restoration project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Develop storm water management ordinance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cloud seeding project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Develop well field management plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Propose conjunctive use of surface and groundwater supplies
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Expand treatment facilities to remove trace constituents (i.e., arsenic)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater desalination project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Restrict drilling of domestic wells within your jurisdiction
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other _____

Please briefly describe the proposed projects under Category I:

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3. Actions under **Category II: Improve System Efficiency** (Please check all that apply and describe in space provided (or attach longer description))

Current	Proposed	May consider in the future	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wastewater reuse project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project to replace septic tanks and provide for regional WWTP
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Line irrigation ditches/acequias
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Develop a regional water system authority
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Aquifer storage and recovery project with wastewater
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Aquifer storage and recovery project with surface water
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Optimize reservoir management (sediment removal, evaporative loss reduction)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other _____

Please briefly describe the proposed projects under Category II:

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4. Actions under **Category III: Mitigate Drought** (Please check all that apply and describe the proposed project in the space provided (or attach longer description)).

Current	Proposed	May consider in the future	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water banking/temporary leases of water rights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Emergency conservation ordinance to restrict water use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other _____

Please briefly describe the proposed projects under Category III:

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5. Actions under **Category IV: Reduce Demand** (Please check all that apply and describe the proposed project in the space provided (or attach longer description)).

Current	Proposed	May consider in the future	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Manage growth and land use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water conservation focused on outdoor use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water conservation focused on indoor use for new construction
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water conservation focused on indoor use through retrofits
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other _____

Please briefly describe the proposed projects under Category IV:

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**6. Actions under Category V: Increase Water Supply** *(Please check all that apply and describe in space provided (or attach longer description))*

Current	Proposed	May consider in the future	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utilize San Juan-Chama Water
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Purchase surface water rights and transfer to municipal use without transferring across Otowi Gage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Purchase surface water rights and transfer to municipal use by moving water rights across the Otowi Gage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drill additional domestic wells (72-12-1)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drill additional municipal wells
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reappropriate water above Otowi Gage up to 1929 conditions of the Rio Grande Compact
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appropriate flood flows during years when excess is available on the Rio Grande
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Build new reservoirs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other _____

Please briefly describe the proposed projects under Category V:

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**7. Other Actions not included above, please describe:**

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